

AMENDMENTS TO THE CLAIMS

1 (currently amended). An ink comprising: metal thin film fragments having an average thickness of 0.01 to 0.1 μm and an average particle diameter of 5 to 25 μm ; and a binder resin having 50 to 500 mmol/kg of at least one selected from the group consisting of a carboxyl group, a phosphoric acid group, a sulfonic acid group and metal salts thereof; wherein the binder resin is at least one selected from the group consisting of: polymerized resins wherein maleic anhydride, fumaric acid and/or salts thereof, are used as a copolymer component in vinyl chloride resin, vinylidene chloride resin, vinyl chloride-vinyl acetate resin, ethylene-vinyl acetate resin, polyolefin resin, chlorinated olefin resin and ethylene-acrylic resin; condensation polymerized resins in which a 2,2-dimethylolpropionic acid, phthalic acid having a sulfonic acid group, diethanolaminoethylphosphoric acid, salts thereof are used as a condensation component and as a portion of a polyol component and/or a polycarboxylic acid component, when condensation of polyurethane resin (which may be amide-modified, urea-modified or epoxy-modified) and polyester resin (which may be amide-modified, urea-modified or epoxy-modified) is carried out; and polymerized resins obtained by modifying a petroleum-based resin, an epoxy resin or a cellulose derivative resin with chloroacetic acid, bromoacetic acid, concentrated sulfuric acid.

2 (original). The ink according to claim 1, which contains an acid anhydride.

3 (original). The ink according to claim 2, wherein the ink contains 0.01 to 30% by mass of an acid anhydride moiety as a $-\text{C}(=\text{O})\text{OC}(=\text{O})-$ group in the acid anhydride based on the metal thin film fragments.

4 (previously presented). The ink according to claim 1, wherein the content of the metal thin film fragments is from 10 to 60% by mass based on a non-volatile component in the ink.

5 (withdrawn). A laminated sheet comprising:

multilaminated at least two synthetic resin films for molding; and

a decorative layer having mirror-like metallic luster formed at any laminate interface of the synthetic resin films, the decorative layer being an ink film made of an ink comprising metal thin film fragments having an average thickness of 0.01 to 0.1 μm and an average particle diameter of 5 to 25 μm , and a binder resin having at least one selected from the group consisting of a carboxyl group, a phosphoric acid group, a sulfonic acid group, metal salts thereof and an amino group, and the ink film having a thickness of 0.05 to 2.0 μm .

6 (withdrawn). The laminated sheet according to claim 5, wherein one or more synthetic resin films for molding provided on at least one side of the decorative layer are a transparent or translucent film.

7 (withdrawn). The laminated sheet according to claim 5, wherein the synthetic resin films for molding contain a thermoplastic resin.

8 (withdrawn). The laminated sheet according to claim 5, wherein the synthetic resin films for molding contain a thermoplastic resin, and a softening point of the binder resin of the decorative layer is lower than that of the thermoplastic resin.

9 (withdrawn). The laminated sheet according to claim 5, which comprises an adhesive layer at the interface between the synthetic resin film for molding and the decorative layer.

10 (withdrawn). The laminated sheet according to claim 5, wherein one or more synthetic resin films for molding provided on at least one side of the decorative layer are a transparent or translucent film, and a change rate of a surface luster value of the side of the transparent or translucent synthetic resin film for molding is 20% or less at 200% malleation.

11 (previously presented). The ink according to claim 1, which contains no water.

12 (previously presented). The ink according to claim 1, wherein the metal thin film fragments are obtained from a metal thin film which is obtained by at least one method selected from the group consisting of sputtering, malleation and aluminum vapor deposition.

13 (withdrawn and previously presented). The laminate sheet according to claim 5, which contains no water.

14 (withdrawn). The laminate sheet according to claim 5, wherein the content of the metal thin film fragments is from 10 to 60% by mass based on a non-volatile component in the ink, and the binder resin contains 50 to 500 mmol/kg of at least one selected from the group consisting of a carboxyl group, a phosphoric acid group, a sulfonic acid group, metal salts thereof and an amino group.

15 (currently amended). An ink comprising: metal thin film fragments having an average thickness of 0.01 to 0.1 μm and an average particle diameter of 5 to 25 μm ; a binder resin having at least one selected from the group consisting of a carboxyl group, a phosphoric acid group, a sulfonic acid group, metal salts thereof and an amino group; and 0.01 to 30% by mass of an acid anhydride moiety as a $-\text{C}(=\text{O})\text{OC}(=\text{O})-$ group in an acid anhydride based on the metal thin film fragments, wherein the acid anhydride includes anhydride of monobasic acid and substituted compounds thereof; anhydride of dibasic acid and substituted compounds thereof; anhydride of tribasic acid and substituted compounds thereof; and tetrabasic acid anhydride and substituted compounds thereof.

16 (previously presented). The ink according to claim 1, wherein the metal thin film fragments are fragments obtained from a thin film made of metal.

17 (previously presented). The ink according to claim 1, wherein the metal thin film fragments are fragments obtained from a vapor-deposited metal thin film.

18 (cancelled).

19 (previously presented). The ink according to claim 15, wherein the metal thin film fragments are fragments obtained from a thin film made of metal.

20 (previously presented). The ink according to claim 15, wherein the metal thin film fragments are fragments obtained from a vapor-deposited metal thin film.

21 (cancelled).

22 (currently amended). An ink comprising: metal thin film fragments having an average thickness of 0.01 to $[[0.1]]$ 0.08 μm and an average particle diameter of 5 to 25 μm ; and a binder resin having 50 to 500 mmol/kg of an amino group.

23. (New) The ink according to claim 1, wherein the carboxyl group excludes a blocked carboxyl group.

24. (New) The ink according to claim 1, wherein the metal thin film fragments has an average thickness of 0.01 to 0.08 μm .

25. (New) The ink according to claim 1, wherein the amount of the group, which consists of a carboxyl group, a phosphoric acid group, a sulfonic acid group and metal salts thereof, excludes 500 mmol/kg, when the binder resin has a carboxyl group.

26. (New) The ink according to claim 1, wherein a binder resin has more than or equal to 50 mmol/kg and less than 500 mmol/kg of at least one selected from the group consisting of a carboxyl group, a phosphoric acid group, a sulfonic acid group and metal salts thereof.

27. (New) The ink according to claim 1, wherein a binder resin has 50 to 250 mmol/kg of at least one selected from the group consisting of a carboxyl group, a phosphoric acid group, a sulfonic acid group and metal salts thereof.

28. (New) The ink according to claim 15, wherein the carboxyl group excludes a blocked carboxyl group.

29. (New) The ink according to claim 15, wherein the metal thin film fragments has an average thickness of 0.01 to 0.08 μm .

30. (New) The ink according to claim 15, wherein the amount of the group, which consists of a carboxyl group, a phosphoric acid group, a sulfonic acid group, metal salts thereof and an amino group, excludes 500 mmol/kg, when the binder resin has a carboxyl group.

31. (New) The ink according to claim 15, wherein a binder resin has more than or equal to 50 mmol/kg and less than 500mmol/kg of at least one selected from the group consisting of a carboxyl group, a phosphoric acid group, a sulfonic acid group, metal salts thereof and an amino group.

32. (New) The ink according to claim 15, wherein a binder resin has 50 to 250 mmol/kg of at least one selected from the group consisting of a carboxyl group, a phosphoric acid group, a sulfonic acid group, metal salts thereof and an amino group.